

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-238677

(43)Date of publication of application : 17.09.1996

(51)Int.Cl.

B29C 65/34
// B29L 7:00

(21)Application number : 07-074469

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(22)Date of filing : 06.03.1995

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(54) CONNECTING METHOD FOR RESIN SHEET

(57)Abstract:

PURPOSE: To simply and effectively connect resin sheets by forming a groove for inserting the end of the sheet, preparing a resin joint in which conductive wires are embedded in the connecting surfaces of the sheets, and fusion bonding the ends of the sheets by energizing the wires.

CONSTITUTION: When two resin sheets are connected, first one side ends of both the sheets are inserted from both the sides of a joint 1 to grooves 3 until they are brought into contact with stoppers 6, and the sheets are set to the connected state. Then, conductive wires 4 are energized from a fusion bonding controller via terminal pins, and heated. Thus, the resin of the sidewall 3a of the groove at the joint 1 and the resin of the surface of the sheet, and the resin of the sidewall 3b of the groove and the resin of the rear surface of the sheet are fusion bonded, and the one side ends of both the sheets are connected. High-pressure air is fed to an annular space formed between the inserting end faces of both the sheets and the groove bottom 3c of the joint 1, thereby inspecting the connected state.

